

## Description

- Silicone thermal conductive composite
- Blue/white gel
- 1:1 mixture of two components

## Product features

- Thermal conductivity: 4.0 W/m·K
- Excellent workability
- Curing at room temperature or accelerated curing at high temperature
- Low static/transient stress on substrates
- High reliability under various conditions

## Typical applications

- Heat dissipation of lithium battery packs in new energy vehicles
- Heat dissipation of battery packs in energy storage power stations
- Automotive electronic equipment
- Large storage devices
- Communication equipment.

## Method of application

- Please ensure that the product is opened within its validity period.
- When applied to materials, use samples to confirm suitability.
- Clean the surface to be coated before use.
- The construction surface should be uniform, as long as coated with a thin layer.
- The product should not be exposed to the air for a long time.

## Shelf-life:

- 6 months (8-28°C)

## Typical properties

Standard	Property	Unit	Result
Visual	Color A/B	—	Blue/white
ASTM D792	Density A/B	g/mL	3.2/3.2
/	Mixing ratio	—	1:1 (W/W)
ASTM D2196	Viscosity	Pa·s	250 ± 100
ASTM D5470	Thermal conductivity	W/(m·K)	4.0
ASTM D5470	Thermal Impedance	°C·cm <sup>2</sup> /W	0.43
/	Bondline thickness	mm	0.12
ASTM D2240	Hardness	Shore 00	50
ASTM D257	Volume resistivity	Ω·cm	> 1.0×10 <sup>12</sup>
ASTM D149	Dielectric strength	kV/mm	15
ASTM D150	Dielectric constant	F/m	5.0
/	Operational time @ 25°C	min	> 60
/	Curing time @ 25°C	h	8
/	Curing time @ 120°C	min	20
GB/T 528	Elongation at break	%	30
ASTM E595	Weight loss (200°C/24h)	%	≤ 0.3
ASTM E831	CTE (-40~100°C)	ppm/°C	100
UL94	Flame retardant grade	—	V0
/	Working temperature	°C	-40-200

## Matters needing attention

- Keep away from children;
- The use of the product is not the more the better, but the thinner the better under the premise of ensuring that the gap is filled;
- Please refer to the MSDS of this product for details.

## Packing specification

The order codes:

- 527404: 400cc;
- 5274A6/B6: Part A/B in 5 gallon barrel, 25 kg/barrel;
- 5274A9/B9: Part A/B in 55 gallon barrel, 298 kg/barrel;